OUTER GROUND ELECTRODE

C_1, C_2, C_3 DEFINED IN FIGURE 7

COIL VOLTAGE

V_1

C_1 C_3

TUBES

R C_2

VOLTAGE BETWEEN TUBES AND COPPER = VC_2 WITHOUT R

$$VC_2 = \frac{XC_2}{XC_3 + XC_2} \cdot V_1 \qquad X = CAPACITOR\ REACTANCE$$

$R \equiv$ VOLTAGE GRADING RESISTOR

$$VC_2 \equiv \frac{R}{XC_3 + R} \cdot V_1\ (WITH\ R\ IN\ CIRCUIT)\ AND\ R \gg XC_2$$

FIG.8.